



# SFE PROD 2x5<sup>+</sup>

## SUPERCritical FLUID EXTRACTION SYSTEM FOR PRODUCTION SCALE

### STANDARD RANGE

### SFE PROD 2x5<sup>+</sup>

+ We always talk about **effective loading capacity**, not about the volume of the extractor

- 2x10<sup>+</sup>
- 2x20<sup>+</sup>
- 2x25<sup>+</sup>
- 2x50<sup>+</sup>
- 2x100<sup>+</sup>



#### Extraction

- Loading capacity 2 x 5L net
- Extractor volume 2 x 6,6L
- CO<sub>2</sub> flowrate 30 kg/h
- Max pressure 400 bar
- Max temperature 100°C

#### Separation

- Capacity 2 x 1L heated  
1 x 1L cold trap
- Max pressure 200 bar
- Max temperature 100°C

➤ Independent pressure and temperature control allows extract fractionation

#### Co-solvent pump

- > Boost and increase your CO<sub>2</sub> extraction by injecting a 2<sup>nd</sup> solvent into the CO<sub>2</sub> stream while the extraction is running
- > Allows an easy cleaning of the machine
- > Included in the standard equipment

#### Innovative CO<sub>2</sub> piston pump

- > Flowrate is automatically controlled with a frequency drive and an integrated flow controller
- > Use of a coriolis flowmeter



#### Plug & Play

Easy to install, start up and use  
User friendly system



#### 100% automated process

Fully automated extract collection, valves, vessel switching, data recording...  
Preset recipes  
Operator free: all you need to do is press the start button !



#### PLC control

User friendly control panel, multiple connections for remote control  
No computer obsolescence



#### Continuous production

No time loss: possibility to load another basket while extraction is going on



#### Compact

Minimum footprint  
Easy access to all components



#### Modular, Mix & Match system

Expandable capacities (possibility to add extractors) and flexible skids  
Xtramile optimisation (contact us for customised process optimisation)



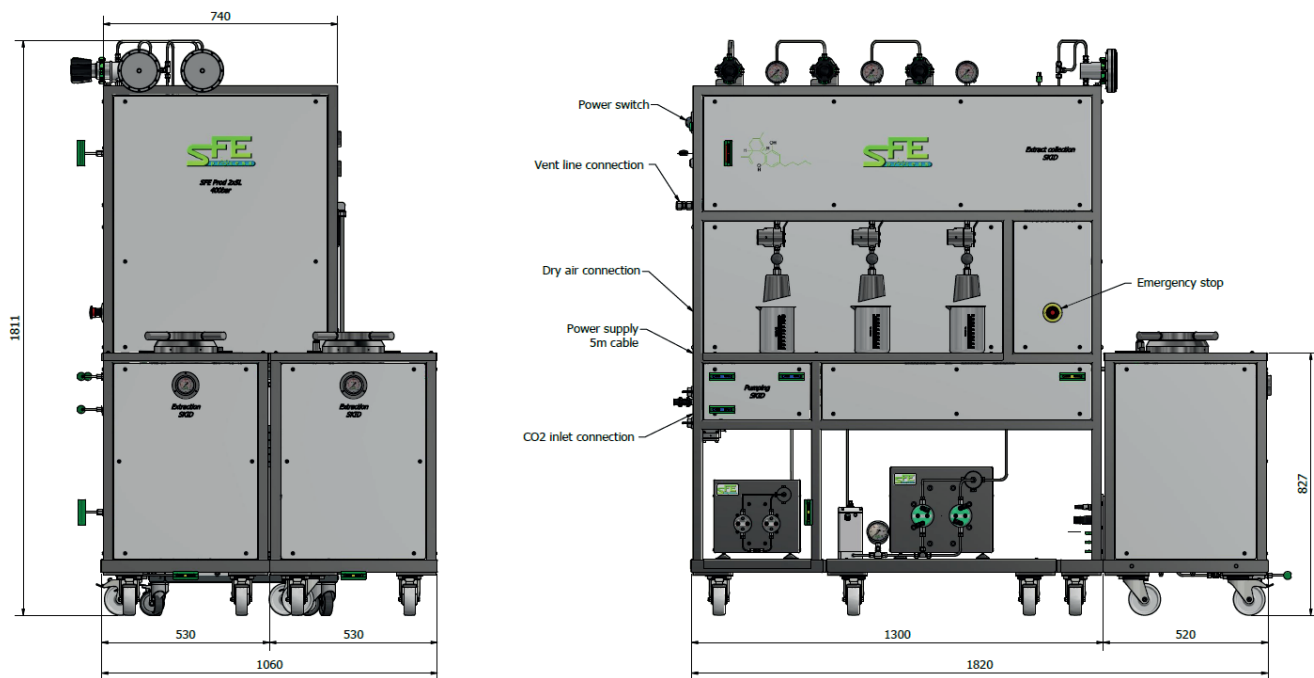
#### Service & support

Reliable service and expert support  
Installation, commissioning, training, maintenance, scale up



#### Premium equipment

High standards  
Safe technology, secured parameters and data recording



## Technical data / installation requirements

- Process fluid** Liquid CO<sub>2</sub> deep pipe cylinder stored at room temperature  
1/4" OD pipe
- Power** Equipment: single-phase / 230V / 50Hz / 32A  
Chiller: single-phase / 230V / 32A directly plugged into and powered by the equipment
- Vent line** 1/2" OD pipe
- Cooling source** A water chiller, supplied by SFE Process must also be connected to the skid with two 3/4" tubes.  
The chiller can be placed next to the system, outside or in a adjacent ventilated room.
- Air pressure** @7,5 bar - oil free (not supplied)
- Dimensions** Equipment: L 1 820 x W 1 060 x H 1 811 mm | Chiller: L 445 x W 575 x H 640 mm
- Weight** Equipment: 850 kg | Chiller: 80 kg



### State-of-the-art design and technology

All our systems are CE marked for Europe according to the PED/2014/68/UE norm. Our systems can be adapted to international standards: ASME, CRN...



4 versions available: • Standard • GMP ready • full GMP • 21 CFR PART 11

### Examples of performance achieved by our customers using a SFE Prod 2x5+

With our SFE Prod 2x5+	Cannabis extraction Bulk density: 0,3	Vanilla extraction Bulk density: 0,05
Feedstock processed per extraction/year	4 050 kg/an	1 200 kg/an
Duration of operation (24h/day)	300 days	300 days
Concentration of your plant	15%	25 to 26%
Quantity of oil / year	up to 607 kg	up to 300 kg

These are theoretical figures that will vary according to the quality of your raw material.



of your valuable compounds is extracted

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Please contact our experts  
for a custom-made  
solution !



Leading designer of innovative  
supercritical CO<sub>2</sub> solutions